Problem/Issue Identification and Description

**Submittal Date**: (10/01/2024) **PIM # 156 v4**

**Company(s) Submitting Issue**: Neustar, a TransUnion Company

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**(NOTE: Submitting Company(s) is to complete this section of the form along with Sections 1, 2 and 3.)**

1. **Problem/Issue Statement:** (Brief statement outlining the problem/issue.)

Due to the current SPID Migration count constraints, the majority of SPID Migration windows are full.

Service Providers (SPs) must find the next available window which can be weeks/months from the desired date. SPs are also scheduling more SPID Migrations than desired across available SPID migration windows to stay within the current record max counts.

1. **Problem/Issue Description:** (Provide detailed description of problem/issue.)

A. Examples & Impacts of Problem/Issue:

Background:

From posted SpidMigrationCalendar:

*“Per LNPA-WG, effective January 1, 2006, the number of SPID Migrations per Sunday maintenance window will not exceed 7 per region and no more than 25 in all regions. The maximum SV count for all migrations in a region is 500,000.*

*Effective November 11, 2009, there will be no limit on the number of LRNs that can be migrated per maintenance window.”*

The SPID Migration Calendar is often full due to the amount of SPID Migrations requested and max counts outlined above. Service Providers are spreading out their migration activities due to limited SPID Migration window availability and the SV count constraint.

NPBs are being counted as 1,000 SVs vs 1 record. This calculation for including NPBs in SV counts inflates the record counts.

For example, if the SP has 85 NPBs to migrate, along with 450K SVs in a given LATA/target SPID Migration region, the SP is over the max as the 85 NPBs are currently counted as 85,000 vs 85. Now the SP is splitting the migration and scheduling over 2 SPID Migration windows vs just 1.

B. Frequency of Occurrence:

We’ve been receiving an increasingly number of complaints from Service Providers that the SPID Migration windows are full. The majority of SPID Migration dates on the SPID Migration calendar are full.

1. NPAC Regions Impacted:

Mid Atlantic \_\_\_ Midwest\_\_\_ Northeast\_\_\_ Southeast\_\_\_ Southwest\_\_\_ Western\_\_\_

West Coast ALL X

D. Rationale why existing process is deficient:

The current SPID Migration count constraints cause additional workload on teams to manage and coordinate migration activities, including the HD, the SP’s System Engineers, TN/Code Admins, PMs, LNP PortIn/PortOut teams, and the SP’s network providers.

E. Identify action taken in other committees / forums:

Issue raised at CAB meetings as well as LNPA WG in the past (NANC 457 below).

**NANC 457:**

During the May 2013 LNPA WG meeting, participants discussed a pending request for a SPID Migration of 840,000 SV records, that included 880 Number Pool Blocks.  Since all LSMSs are now EDR, the actual number of records to be updated was approximately 1000, and not 840,000, but the SPID Migration needed exception processing because it exceeded the TN threshold of 500,000.  This led to a July 2013 LNPA WG discussion about the “count” method.  The consensus of the WG was that in the current all-EDR environment, the quantity of pooled SVs is no longer relevant, and as such the count should use Number Pool Block records and not pooled SV records.

**Description of Change:**

This change order is being created to change the definition of TN threshold for a SPID Migration. Pooled SVs will no longer be factored into the count of SV records affected by a SPID Migration.

Unfortunately, the CO wasn’t implemented (detail in meeting minutes):

[January 8, 2019, LNPA TOSC meeting minutes](https://urldefense.proofpoint.com/v2/url?u=https-3A__workinggroup.numberportability.com_sites_workinggroup_files_2023-2D11_01-2D08-2D2019-2520-2D-2520LNPA-2520TOSC-2520Meeting-2520Minutes-2520-2D-2520Final.docx&d=DwMGaQ&c=7gn0PlAmraV3zr-k385KhKAz9NTx0dwockj5vIsr5Sw&r=Osd9vP8lJBN9nBS031d2QpU8ca7wKkkPhlgcD2JPBa4&m=5P1ALBnP9rPzFg-W8iEjJBmNzIXLPBiekmRuy2ZyzwJiSv1UIA8flAjT-VjCMmQn&s=n0ZT6qwmn7mwXoIfqAptCplbYBRR88NT2MQFH3u725E&e=)

F. Any other descriptive items:

As described above, the SPID Migration Quota – SVs currently defines the maximum number of SVs within a region for a given SPID Migration maintenance window. The SV/NPB records that may be migrated by the NPAC SMS can differ from the records migrated by a local system, however.

Local systems manage SV records for non-pool SVs (LNP Type of LSPP and LISP) and also manage NPB records. Since pool SVs (LNP Type of Pool) are not sent to or maintained by local systems, including pool SVs in SPID migration quotas can limit the overall number of local system records that can be updated in weekly SPID migrations. In contrast, the NPAC SMS does maintain pool SV records in addition to the non-pool SV and NPB records managed by local systems, so the quantity of pool SVs that need to be updated during a SPID migration continues to be a consideration for the LNPA.

Feedback from the service providers and local system vendors provided during NPIF discussions also indicated they could not support increasing the SPID Migration Quota – SVs tunable value from 500,000 to 750,000 SVs, as this could significantly impact the local systems depending on the count of pooled SVs in the SPID Migrations. Because the number of records migrated by local systems and NPAC SMS can vary widely, the industry could benefit by using different SPID Migration quotas to represent an NPAC SMS maximum and a local system maximum.

1. **Suggested Resolution:**

a) During various NPIF meetings participants discussed the potential to increase the maximum number of SPID Migrations per Sunday maintenance window across all regions, and agreement was reached during the January, 2025, NPIF meeting to raise the value of the SPID Migration Quota – All Regions tunable to 49. This new value would allow for seven SPID Migrations per NPAC region per Sunday maintenance window. The LNPA was given Action Item 01082025-02 to change the SPID Migration Quota – All regions tunable from 25 to 49 migrations/week, and the change was implemented on March 2nd, 2025, with service providers able to schedule the larger number of migrations (49) starting April 13, 2025. This change addresses the component of the Problem/Issue regarding the quantity of SPID Migrations per Sunday maintenance window, but further change is needed for how SPID Migration SV quotas are managed, as follows.

b) Because of the different SV types that can be updated during SPID Migrations by local systems and the NPAC SMS, a new region tunable, Local System SPID Migration Quota – SVs, could be created to define the maximum number of non-pool SV records, plus NPB records, that the local systems could process in a single maintenance window, with the default value being 500,000. This limits the number of records that local systems need to migrate in a single maintenance window, and matches the currently agreed-to value.

The existing regional SPID Migration Quota – SVs tunable value would continue to limit the SVs, both pool and non-pool, that the NPAC could process in a single maintenance window. The value for the existing tunable value could increase, taking into consideration both non-pool SVs plus pool SVs, from 500,000 to 750,000 SVs – a value greater than that of the new Local System SPID Migration Quota – SVs.

Having these two tunables reflecting two separate counts (non-pool plus pool SVs for NPAC and non-pool SVs plus NPBs for local systems) would allow for more non-pool SVs to be migrated while also putting a limit on the overall processing expected of the NPAC region and the value of that quota.

The following additional SPID Migration SV counting updates could be made to reflect the quantity of SV records processed by local systems:

1) The Post-Migration SV and NPB Count Report that lists the quantity of SVs and NPBs, for each LRN, that were updated by the NPAC SMS during the SPID Migration currently includes the total of both ported and pooled SVs in the quantity of SVs. The report could be updated to include just the ported SVs (LNP Type of LISP and LSPP) in the quantity of SVs.

2) The emails sent by the NPAC SMS to providers when a SPID Migration is created, at subsequent points prior to the execution of the migration, and upon completion of the SPID Migration, include an SV count. This SV count currently includes the total of both ported and pooled SVs and could be changed to include just the ported SVs, and this change could be reflected in the LNPA’s SPID Migration M&P, which documents the information included in the emails.

1. **Final Resolution:**

This PIM resulted in the increase of the SPID Migration Quota – All regions tunable from 25 to 49 migrations/week and the creation of Change Order 570, which introduces a new “SPID Migration Local System Quota – SVs” regional system tunable, clarifies and increases the existing “SPID Migration Quota – SVs” regional system tunable, and updates the Post-Migration SV and NPB Count Report and migration-related emails to reflect the ported SV count rather than ported plus pooled SV count. For further information refer to CO 570.

**NPIF (only)**

PIM #: 156 v4 Final Resolution Date: 10/08/2025

Related Documents: CO 570

Issue Resolution Referred to:

Why Issue Referred: